

Title (en)

SURGICAL DEVICES AND METHODS FOR COLLECTING STERILIZATION DATA

Title (de)

CHIRURGISCHE VORRICHTUNGEN UND VERFAHREN ZUM ERFASSEN VON STERILISATIONS DATEN

Title (fr)

DISPOSITIFS ET PROCÉDÉS CHIRURGICAUX DE RECUEIL DE DONNÉES DE STÉRILISATION

Publication

EP 3735198 A4 20211027 (EN)

Application

EP 18898445 A 20181219

Priority

- US 201862613457 P 20180104
- US 2018066420 W 20181219

Abstract (en)

[origin: WO2019135913A1] A surgical device is provided including an energy harvesting device configured to harvest energy from a sterilization device to provide power to at least one of a sensor or a computing device. The sensor is configured to measure an energy output applied to the surgical device by a sterilization device. The computing device includes a processor or logic circuit and a memory and is configured to determine when a threshold energy output applied to the surgical device is met and to store in the memory an amount of times the threshold energy output applied to the surgical device is met.

IPC 8 full level

A61B 90/00 (2016.01); **A61B 17/00** (2006.01); **A61B 34/30** (2016.01); **A61B 34/37** (2016.01); **A61B 90/70** (2016.01); **H01L 37/02** (2006.01); **H02N 2/18** (2006.01)

CPC (source: EP US)

A61B 34/35 (2016.02 - US); **A61B 34/37** (2016.02 - EP US); **A61B 90/06** (2016.02 - US); **A61B 90/08** (2016.02 - EP US); **A61B 90/70** (2016.02 - US); **A61B 34/35** (2016.02 - EP); **A61B 90/06** (2016.02 - EP); **A61B 90/70** (2016.02 - EP); **A61B 2017/00477** (2013.01 - EP); **A61B 2034/302** (2016.02 - EP US); **A61B 2090/0803** (2016.02 - EP US); **A61B 2090/0807** (2016.02 - EP US); **A61B 2090/0813** (2016.02 - EP US); **A61B 2090/0814** (2016.02 - EP US); **A61B 2562/0271** (2013.01 - US); **H02N 2/18** (2013.01 - EP); **H10N 15/10** (2023.02 - EP)

Citation (search report)

- [XY] US 2015254550 A1 20150910 - VOILLAT JEAN-PIERRE [CH]
- [X] JP 4681769 B2 20110511
- [X] EP 2923646 A2 20150930 - ETHICON ENDO SURGERY INC [US]
- [Y] US 9622832 B2 20170418 - BIRKENBACH RAINER [US], et al
- [Y] US 2011034910 A1 20110210 - ROSS ADAM [US], et al
- [A] US 5400267 A 19950321 - DENEN DENNIS J [US], et al
- [A] WO 2016160465 A1 20161006 - MEDTRONIC NAVIGATION INC [US]
- See references of WO 2019135913A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2019135913 A1 20190711; CN 111542283 A 20200814; EP 3735198 A1 20201111; EP 3735198 A4 20211027; US 2020297441 A1 20200924

DOCDB simple family (application)

US 2018066420 W 20181219; CN 201880085449 A 20181219; EP 18898445 A 20181219; US 201816769780 A 20181219